Rakha Hendriansyah Ismail

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I am an Information Systems graduate with hands-on experience in Network Operations Center (NOC) activities, network installation, and IT infrastructure implementation across various projects. Proficient in fundamental web development, cybersecurity, and AI prompt engineering. Skilled in creating system analysis diagrams (Use Case Diagrams) using Visual Paradigm. Highly motivated to contribute to the IT industry and continuously expand technical expertise.

WORK EXPERIENCE

NOC   **Feb 2024 - Present**
Disa Cloud   **Bekasi, Jawa Barat**

Operated as Network Operations Center (NOC) engineer focusing on real-time system monitoring within Disacloud infrastructure; enhanced visibility across ISP environments through deployment of LibreNMS for multi-POP traffic analysis, Mixradius for client data monitoring, and Winbox for deep-dive diagnostics on network anomalies—improving issue detection and response time by 25%.

Network Technician   **Oct 2023 - Dec 2023**
Disa Cloud   **Bekasi, Jawa Barat**

Completed internship at Disacloud as a Network Technician, supporting device installation, maintenance, and client dismantling operations. Strengthened understanding of ISP field operations and developed advanced technical proficiency in fiber optic equipment, including Fusion Splicer, Fiber Stripper, Fiber Cleaver, Optical Power Meter (OPM), Visual Fault Locator (VFL), Optical Light Source (OLS), and OTDR— enhancing installation accuracy and network reliability by 30%.

EDUCATION

Information System   **Aug 2021 - Aug 2025**
Telkom University   **GPA:** 3.56

Served as **Lab Assistant** for Database course in 2023, supporting practical sessions and guiding students in database management tasks. Held the position of **Secretary** in HIMSI (Information Systems Student Association) in 2022, managing administrative tasks and coordinating organizational activities

PROJECTS

Development of a Warehouse Management Application for Disacloud Office Equipment ⧉   **Sep 2025 - Oct 2025**
Web-Based Application Development for Asset and Equipment Management
This application was developed using **React** for the frontend and **Next.js** for the backend, with **MariaDB** serving as the primary database system.
Key Features:

- **Dashboard** – Displays summarized data and statistics on asset and equipment usage.
- **Item List** – Provides a comprehensive view of all items available in the system.
- **Borrowing and Usage Management** – Divided into two main categories:
  - **Tools (Equipment)**
  - **Materials**
  Enables users to record, manage, and monitor borrowing and usage activities for each category.
- **Reporting** – Generates multiple types of reports, including:
  Monthly reports
  - Equipment-based reports
  - Equipment usage monitoring reports

Server Optimization Project P.T. Syailendra Capital   **Aug 2025 - Oct 2025**

- Executed **LAN cable tracking and reorganization**, improving network structure and reducing troubleshooting time by 20%.
  Installed **LAN cables for Access Points (AP)** to enhance wireless network stability and coverage across office areas.
- Completed **structured wiring and labeling** for **4 servers**, increasing maintenance efficiency and minimizing configuration errors.

CCTV and Access Point Installation Project – Deliveree ⧉   **Apr 2025 - May 2025**
Involved in a corporate infrastructure improvement project focused on optimizing surveillance and network coverage through the installation and configuration of CCTV and Access Point (AP) systems.

- Executed **CCTV relocation and camera pointing** to enhance coverage and ensure optimal monitoring of key areas.
  Installed **Access Points (AP)** to strengthen wireless network performance and stability.
- Performed **structured cabling** for CCTV and AP devices, ensuring organized wiring and reliable data transmission.
  Improved overall security visibility and network reliability across the facility.

Network Infrastructure Installation – SMKN 6 Bekasi ⧉   **Jan 2025 - Feb 2025**

deployment of network infrastructure to enhance connectivity across SMKN 6 Bekasi , including installation, configuration, and optimization of fiber and wireless systems.

- Installed **OLT and ONU devices** on the main server, establishing high-speed backbone connectivity.

Deployed **ONU units in every classroom**, providing consistent internet access for all users.

- Configured **WAN settings on ONU devices** to match user requirements, improving network efficiency and reducing downtime by 25%.

Set up **SSID and password** for each ONU, ensuring secure and seamless wireless connectivity for students and staff.

jsaad**TV and Server Infrastructure Installation – BBWS Kediri** ☒   **Oct 2024 - Jan 2025** Contributed to the design, deployment, and optimization of a large-scale surveillance and server network for water gate operations in Kediri City, enhancing monitoring efficiency and system reliability.

- Installed **274 CCTV units** across indoor and outdoor water gates, improving surveillance coverage and operational visibility.
- Configured and deployed **Mikrotik RB 960SFP devices** for network topology, optimizing network performance and increasing water gate operational efficiency by 70%.
- Installed and configured **Starlink devices** as backup uplink for BBWS Kediri Pare server, ensuring uninterrupted connectivity.

Assigned **static IPs to all CCTV units**, enabling consistent access and centralized monitoring.

- Configured and deployed **Mikrotik routers** at each water gate, supporting stable network performance and efficient data flow.

SKILLS

System Analysis & Design: UML Modeling (Use Case Diagram, Activicy Diagram, Sequence Diagram, dan Class Diagram), Visual Paradigm (Beginner)

Office Tools: Microsoft Office (Word, Excel, PowerPoint) – Intermediate

Networking: MTCNA, Cisco (Beginner), Ruijie, Ubiquiti, NMS (Beginner)

Web Developer: PHP (Beginner), Laravel (Beginner), MySQL (Beginner), React (Beginner), Next.js (Beginner), Docker (Beginner)

Cyber Security: Linux, Python, Wireshark (Beginner)

AI : Utilized AI prompt engineering to optimize task execution and generate precise, context-driven outputs. Vibe Coding (Claude, Cursor, Augment, and Windsurf)

CERTIFICATIONS

MIKROTIK CERTIFIED NETWORK ASSOCIATE (MTCNA) (Credential ID: 2411NA0638) ☒ by **MIKROTIK**	**Nov 2024**
AWARD of FINAL EXAM COMPLETION Artificial Intelegence with Machine Learning ☒ by **ORACLE Academy**	**Oct 2024**

LANGUAGES

Bahasa Indonesia (Native proficiency) • **English** (Professional working proficiency)